

ABSTRACT OF THE DISCLOSURE

A driving system with an automatic transmission capable of driving a vehicle when an engine is stalled is provided with an electromagnetic clutch 11 between an output shaft 2 of an engine 1 and a ring gear 3 which is engaged by a starter motor 7 for actuating the engine 1. In order to drive a vehicle in an emergency when the engine 1 is stalled, for example, the output shaft 2 of the engine 1 is disconnected from the ring gear 3 by the electromagnetic clutch 11 so that a torque converter 4 and a transmission 5 are separated from the engine 1 and released, and the starter motor 7 is actuated. Thus, the transmission 5 is driven via the ring gear 3 and the torque converter 4 to drive wheels via a drive shaft 6.